

Supplementary Table 2. Properties of phage genomes

Phage	Genome Size (bp)	# Predicted ORFs	Closely Related Characterized Phage	% of Similar ORFs (BLAST e-value < 0.001)	NCBI Accession #	Morphology
JBD44	49033	80	D3*	30%	KU199710	Siphophage
			Phi297	34%		
JBD88b	48826	79	D3	35%	KM389212	Siphophage
			Phi297	32%		
JBD18	39014	52	B3	87%	JX495041	Siphophage
JBD25	39552	55	B3	65%	JX495042	Siphophage
JBD67	38232	57	B3	82%	JX495043	Siphophage
JBD68	39841	65	F10	72%	KM389266	Siphophage
JBD90	61245	69	F116	71%	KM389247	Podophage
JBD24	37095	58	MP22	discussed In paper	JX434031	Siphophage
JBD26	37840	61	MP22	discussed In paper	JN811560	Siphophage
JBD30	36947	56	MP22	discussed In paper	JX434032	Siphophage
JBD93	36629	61	MP22	discussed In paper	KU199709	Siphophage
JBD88a	36429	55	MP22	discussed In paper	JX434033	Siphophage
JBD23	37173	58	MP22	discussed In paper	KM389462	Siphophage
JBD69	36938	57	MP22	discussed In paper	KU199708	Siphophage
JBD5	37740	59	MP22	discussed In paper	JX434030	Siphophage
JBD16C	36436	53	MP22	discussed In paper	KU199707	Siphophage
JBD26	37840	61	MP22	discussed In paper	JN811560	Siphophage
MP29	36632	55	MP22	discussed In paper	EU272036	Siphophage
MP22	36409	55	MP22	discussed In paper	DQ873690	Siphophage

*The ORF sets denoted as similar to D3 and phi297 are not overlapping. Some ORFs are similar to ORFs in both phages. In these cases, we counted the D3 or phi297 ORF that was most similar to the phage ORF in question.